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Draft Proposed Claims

1. A method for avoiding saturation of an opto-electrical receiver, the method comprising:

manufacturing an end surface of a fiber optic device at a pre-determined acute angle other than 45 degrees from a side of the fiber in order to avoid saturation of said opto-electronic receiver;

transmitting light into the fiber core of the optical fiber; and

attenuating the light by reflecting the light off the angled polished end surface in order to avoid saturation of said opto-electronic receiver receiving the light.

2. The method of claim 1 wherein said step of manufacturing said end surface is accomplished by polishing said end surface to said pre-determined acute angle.

3. The method of claim 1 wherein said fiber optic device further comprises an optical fiber, and a fiber core within the optical fiber comprising a fiber core cladding interface, wherein said angled end surface is on an end of said optical fiber.

4. The method of claim 1 further comprising providing an active device operationally coupled to the optical fiber, and emitting said light from the active device.

5. The method of claim 4 wherein the active device is a vertical cavity surface emitting laser.

6. The method of claim 4 wherein the active device is a light emitting diode.

7. The method of claim 1 wherein the acute angle is in a range substantially between at least one of 39-44 degrees and 46-51 degrees.

8. A method for avoiding saturation of an opto-electrical receiver, the method comprising:

manufacturing a fiber optic device comprising an optical fiber, a fiber core within the optical fiber comprising a fiber core cladding interface, and an angled polished end surface on an end of the optical fiber, wherein the angled polished end surface is manufactured to be at a pre-determined acute angle other than 45 degrees from a side of the fiber in order to avoid saturation of said opto-electronic receiver;

transmitting light into the fiber core of the optical fiber; and

attenuating the light by reflecting the light off the angled polished end surface in order to avoid saturation of said opto-electronic receiver receiving the light.